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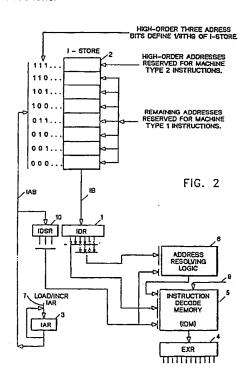
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- Method of decoding plural incompatible format instructions.
- 57 This invention relates to the architectural design of a data processing system and its method of operation which permits normally incompatible plural format instructions for dissimilar processors to be placed intermixed in the instruction storage of a single machine but to be accurately decoded and executed properly regardless. Instructions in different formats which are normally incompatible, are placed in predefined or segregated areas of the instruction store (2). Instructions are fetched and decoded in an instruction decode memory (5) in a manner which uses portions of both the fetched-from address in the instruction (2) store and the instruction itself. Decoding is thus determined in part by where in the instruction store the instruction resided when fetched, and by the specific instruction itself. This approach is compatible with both ordinary processor architecture and with pipelined processor architectures.



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EUROPEAN SEARCH REPORT

Application Number

EP 88 48 0070

tegary		h Indication. where appropriate, vant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI.5)
Α	EP-A-0 169 565 (NEC CO Abstract; page 17, line 19				G 06 F 9/30
Α		URE BULLETIN, vol. 22, no 96-1397, New York, US; K.A coding"			
Α	1-	URE BULLETIN, vol. 29. no. New York, US; "Full functior lator"			
Α	PATENT ABSTRACTS OF (P-187)[1220], 29th March 1 & JP-A-58 5845 (NIPPON E Whole abstract *	983;			
A	PATENT ABSTRACTS OF (P-103)[908], 23rd February & JP-A-56 149 645 (NIPPO Whole abstract	1982;			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
Α	US-A-4 575 797 (GRUNEF Abstract "	R et al.)			G 06 F 9/30 G 06 F 9/44
	The present search report has	been drawn up for all claims			
	Place of search Date of completion o		rch		Examiner
The Hague		12 December 90			QUESSON C.J.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same catagory A: technological background		h another E	E: earlier patent document, but published on, or after the filling date D: document cited in the application L: document cited for other reasons		
Y: A: O: P:	particularly relevant if taken alone particularly relevant if combined wit document of the same catagory	h another E	the filing cocuments: documen	date t cited in the t cited for of the same	ne application other reasons